

**Amendment and Response Under 37 C.F.R. 1.116**

Applicant: Sanjay Bhardwaj

Serial No.: 09/771,172

Filed: January 26, 2001

Docket No.: I331.146.101/02P00670US

Title: METHOD AND APPARATUS FOR BYTE ROTATION

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**REMARKS**

The following remarks are made in response to the Final Office Action mailed March 8, 2005. Claims 23, 24, 26-28, 36-38, 40-42, 44, and 45 have been cancelled. Claims 29 and 46 have been allowed. Claims 23-28, 30-45, and 47-49 were rejected. With this Response, claims 25, 30-32, 34, 35, 43, and 47-49 have been amended. Claims 25, 29-35, 39, 43, and 46-49 remain pending in the application and are presented for reconsideration and allowance.

**Claim Rejections under 35 U.S.C. § 103**

Claims 23-25, 30-32, 34-36, 39-41, 43, 47 and 48 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Gaytan U.S. 5,638,369 in view of Bayliss U.S. Patent No. 4,407,016.

Claims 23, 24, 36, 40, and 41 have been cancelled. Claims 25, 30-32, and 34 have been amended to depend from allowed claim 29. Claims 43, 47, and 48 have been amended to depend from allowed claim 46. Claim 35 has been amended to include the limitations from claim 37 and includes storing said second input group in another buffer while said data units of said first input group are stored in said first-mentioned buffer, and determining a rotation amount by which said data units of said second input group are rotated based on a sum of respective data unit storage capacities of said buffers. These additional limitations of claim 35 are similar to the limitations of allowed claims 29 and 46. Claim 39 further defines patentably distinct claim 35.

In view of the above, Applicant submits that the rejections of claims 25, 30-32, 34, 35, 39, 43, 47, and 48 under 35 U.S.C. § 103(a) should be withdrawn. Allowance of claims 25, 30-32, 34, 35, 39, 43, 47, and 48 is respectfully requested.

Claim 26, 27, 37, 42, 44 and 49 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Gaytan and Bayliss as applied to claims 23, 35 and 40 above, and further in view of Roskowski U.S. Patent No. 5,410,677.

Claims 26, 27, 37, 42, and 44 have been cancelled. Claim 49 has been amended to include the limitation of a further buffer coupled to said input and said rotator for storing said second input group while said data units of said first input group are stored in said first-mentioned buffer, wherein said controller determines said rotation amount based on a sum of

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respective data unit storage capacities of said buffers. This limitation is similar to the limitations in allowed claims 29 and 46.

In view of the above, Applicant submits that the rejection of claim 49 under 35 U.S.C. § 103(a) should be withdrawn. Allowance of claim 49 is respectfully requested.

Claims 28, 33, 38, and 45 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Gaytan and Bayliss as applied to claim 23 and 32 above, and further in view of well established teaching in the art.

Claims 28, 38, and 45 have been cancelled. Claim 33 further defines patentably distinct claim 29. Accordingly, dependent claim 33 is believed to be allowable over the art of record. Allowance of claim 33 is respectfully requested.

**Allowable Subject Matter**

Claims 29 and 46 stand allowed.

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**CONCLUSION**

In view of the above, Applicant respectfully submits that pending claims 25, 29-35, 39, 43, and 46-49 are in form for allowance and are not taught or suggested by the cited references. Therefore, reconsideration and withdrawal of the rejections and allowance of claims 25, 29-35, 39, 43, and 46-49 is respectfully requested.

The Examiner is invited to contact the Applicant's representative at the below-listed telephone numbers to facilitate prosecution of this application.

Respectfully submitted,

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**CERTIFICATE UNDER 37 C.F.R. 1.8:** The undersigned hereby certifies that this paper or papers, as described herein, are being deposited in the United States Postal Service, as first class mail, in an envelope address to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 6 day of May, 2005.

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